

Serial No. 10/527,579
Amdt. dated June 12, 2008
Reply to Office Action of March 19, 2008

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PATENT
Docket PD020089
Customer No. 24498

Listing and Amendments to the Claims

This listing of claims will replace the claims submitted in the preliminary amendment filed on 11 March 2005:

Claims 1-14 Canceled

15. (currently amended) Arrangement Apparatus for correcting ~~colour~~ color video signals, ~~in particular colour video signals generated by a film scanner, with~~ comprising:

- a matrix, through which the ~~colour~~ color video signals pass and ~~which can be used to control the proportions of three primary colours~~ color in matrixed ~~colour~~ color value signals,
- ~~provision being made of~~ means for controlling the matrix ~~in a manner as a function of dependent on the hue which of the~~ as a function of the ~~colour~~ color video signals respectively represent, and
- ~~wherein provision is made of~~ means for ~~reducing the effect of the correction in the case of low colour saturation~~ controlling the matrix as a function of color saturation, wherein the matrix comprises nine multipliers and three adders, wherein three of the nine multipliers are connected to one adder, respectively.

16. (currently amended) Apparatus Arrangement according to Claim 15, ~~characterized in that further comprising provision is made of memories (31) for storing coefficients of the matrix (16) that are set previously in a manner dependent on the~~ as a function of hue of the color video signals.

17. (currently amended) Arrangement Apparatus according to Claim 45 16, ~~wherein further comprising provision is made of memories for storing correction values for the coefficients of the matrix, wherein the correction values being are set previously in a manner dependent on the~~ as a function of hue of the color video signals.

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18. (currently amended) Arrangement Apparatus according to Claim 16, further comprising wherein a converter for generating a hue signal from the ~~colour~~ color video signals, ~~the hue signal is connected by its output to address~~ connected to inputs of the memories.

19. (currently amended) Arrangement Apparatus according to Claim 17, wherein further comprising a converter for generating a hue signal from the ~~colour~~ color video signals, ~~the hue signal is connected by its output to address~~ connected to inputs of the memories.

20. (currently amended) Arrangement Apparatus according to Claim 18, wherein the converter has ~~a further output, which carries~~ generates a ~~colour~~ color saturation signal ~~and is connected~~ supplied to multipliers located in the supply lines of the correction values to the matrix.

21. (currently amended) Arrangement Apparatus according to Claim 19, wherein the converter has ~~a further output, which carries~~ generates a ~~colour~~ color saturation signal ~~and~~ supplied to multipliers located in the supply lines of the correction values to the matrix.

22. (currently amended) Arrangement Apparatus according to Claim 18, wherein the ~~colour~~ color video signals being present are provided as ~~colour~~ color value signals, wherein the converter comprises a converter matrix for generating ~~colour~~ color difference signals and a coordinate converter.

23. (currently amended) Arrangement Apparatus according to Claim 19, wherein the ~~colour~~ color video signals being present are provided as ~~colour~~ color value signals, wherein the converter comprises a converter matrix for generating ~~colour~~ color difference signals and a coordinate converter.

24. (currently amended) Arrangement Apparatus according to Claim 20, wherein the ~~colour~~ video signals being present are provided as ~~colour~~ color value signals, wherein the converter comprises a converter matrix for generating ~~colour~~ color difference signals and a coordinate converter.

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25. (currently amended) Arrangement Apparatus according to Claim 21, wherein the ~~colour~~ color video signals ~~being present~~ are provided as ~~colour~~ color value signals, wherein the converter comprises a converter matrix for generating ~~colour~~ color difference signals and a coordinate converter.

26. (currently amended) Arrangement Apparatus according to Claim 20, wherein the ~~matrix comprises nine further multipliers and three adders, in each case three further multipliers being connected to inputs of an adder and having three colour video signals fed as colour value signals applied to them, and in that, wherein one of the memories supplies~~ a correction value coefficient ~~can be fed~~ to a respective one of the further multipliers ~~from one of the memories~~.

27. (currently amended) Arrangement Apparatus according to Claim 21, wherein the ~~matrix comprises nine further multipliers and three adders, in each case three further multipliers being connected to inputs of an adder and having three colour video signals fed as colour value signals applied to them, and in that, wherein one of the memories supplies~~ a correction value coefficient ~~can be fed~~ to a respective one of the further multipliers ~~from one of the memories~~.

28. (currently amended) Arrangement Apparatus according to Claim 16, further comprising a computer for loading wherein the correction values ~~can be loaded~~ into the memories ~~from a computer, and in that the means for controlling the matrix has having a program on a computer readable medium~~ for setting the correction values.

29. (currently amended) Arrangement Apparatus according to Claim 28, ~~wherein provision is made of comprising~~ a device for the manual setting of the correction values.

30. Canceled

31. Canceled

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32. (currently amended) Arrangement Apparatus according to Claim 15, wherein further comprising logarithmizers are connected upstream of the matrix and delogarithmizers are connected downstream of the matrix.

33. (New) Apparatus according to Claim 20, wherein one of the memories supplies a correction value to a respective one of the multipliers.

34. (New) Apparatus according to Claim 21, wherein one of the memories supplies a correction value to respective one of the multipliers.